

IMPROVED BUFFER GEL FOR ION-TOPHORESIS ELECTRODES

Abstract

An iontophoretic delivery device utilizing a polymeric gel matrix to ameliorate pH deviation within the device wherein the pH of the polymeric gel matrix is buffered at select pH ranges in order to reduce skin irritation. The polymeric gel matrix is housed within the iontophoretic delivery device as a buffering agent wherein the matrix provides a suitable physiological pH level above 4.0 and particularly the pH level deviates between approximately 4.1 to approximately 4.9, and preferably at the pH 4.5 for an effective operation of the iontophoretic delivery of a medicament to treat affected areas of a living subject's body.